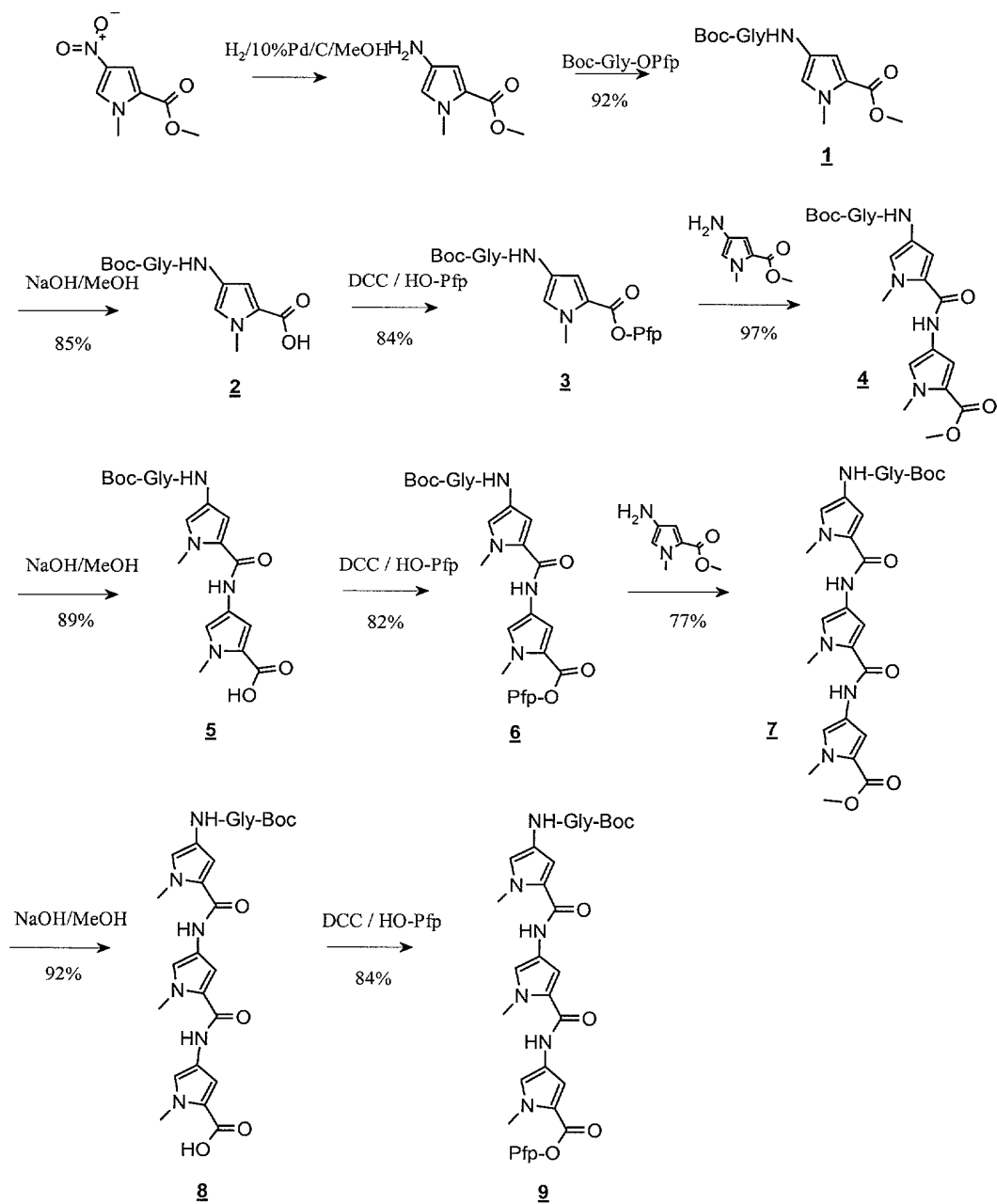
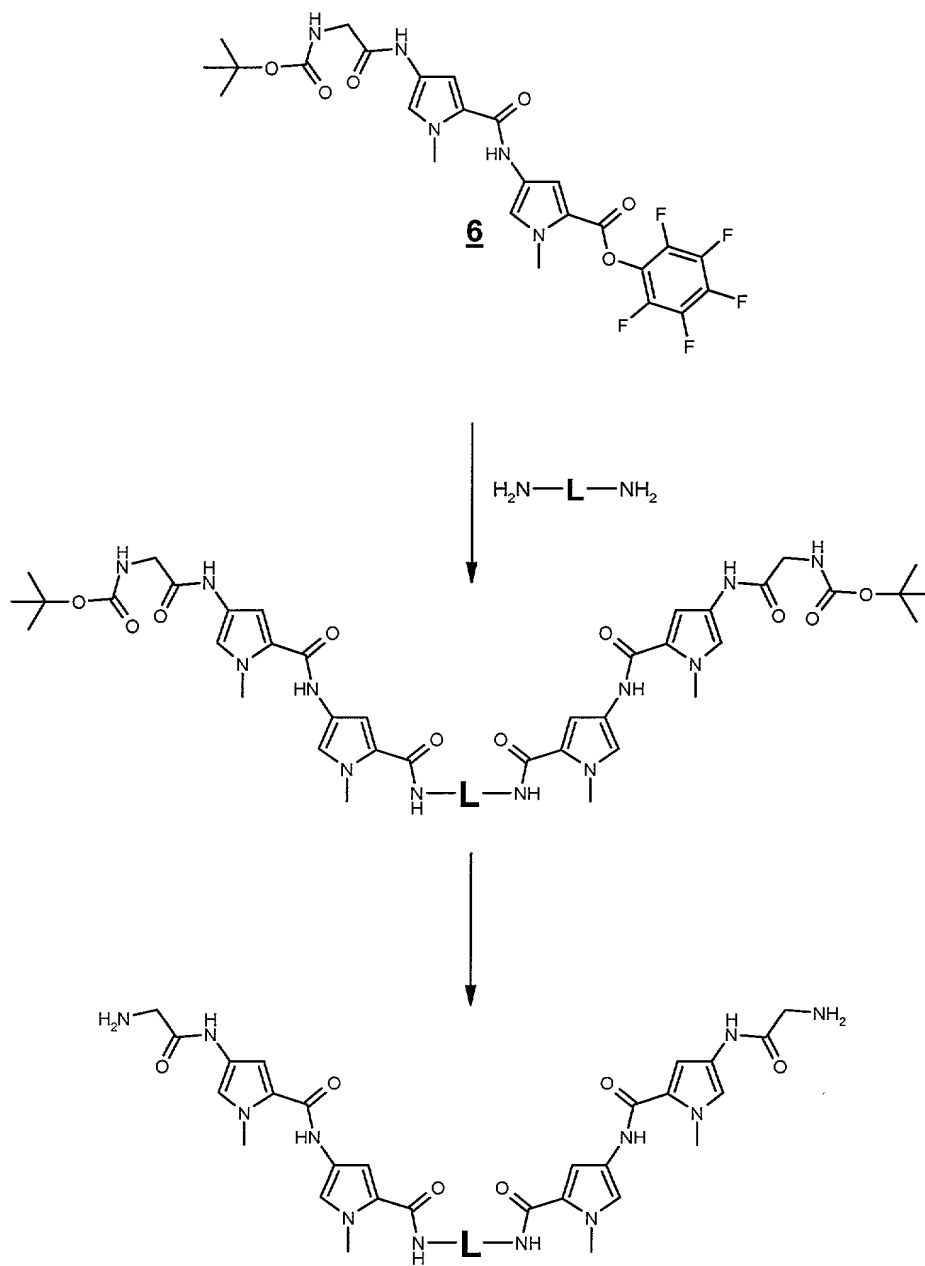


Figure 1



Boc-Gly = Boc-NHCH<sub>2</sub>-CO-

Figure 2



**10 - 44**

$\text{L} = -(\text{CH}_2)_2 -$  **10**

$-(\text{CH}_2)_3 -$  **11**

$-(\text{CH}_2)_4 -$  **12**

$-(\text{CH}_2)_6 -$  **13**

$-(\text{CH}_2)_8 -$  **14**

$-(\text{CH}_2)_{12} -$  **15**

$-\text{CH}(\text{CH}_3)\text{CH}_2 -$  R or S isomer **16, 17**

Figure 3

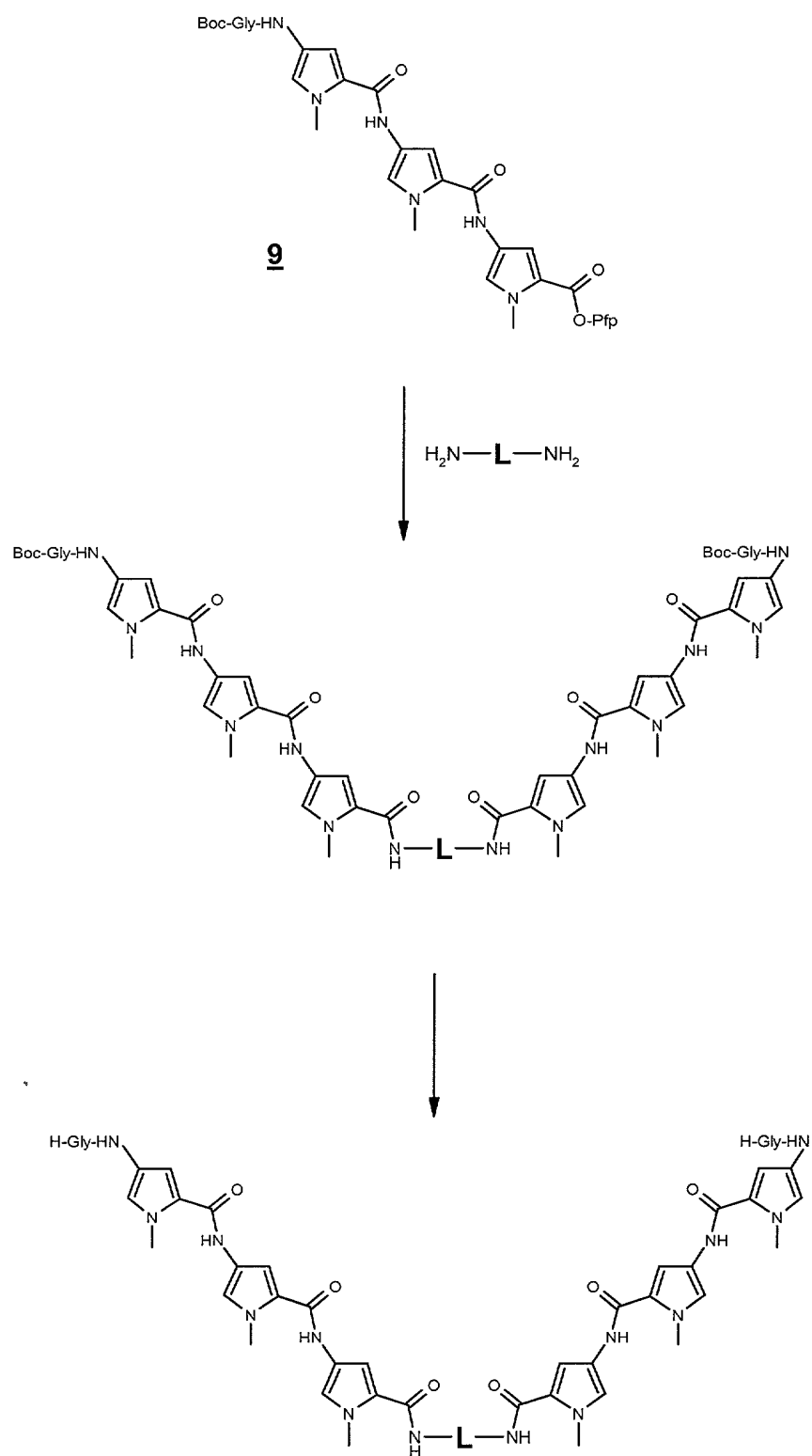


Figure 4

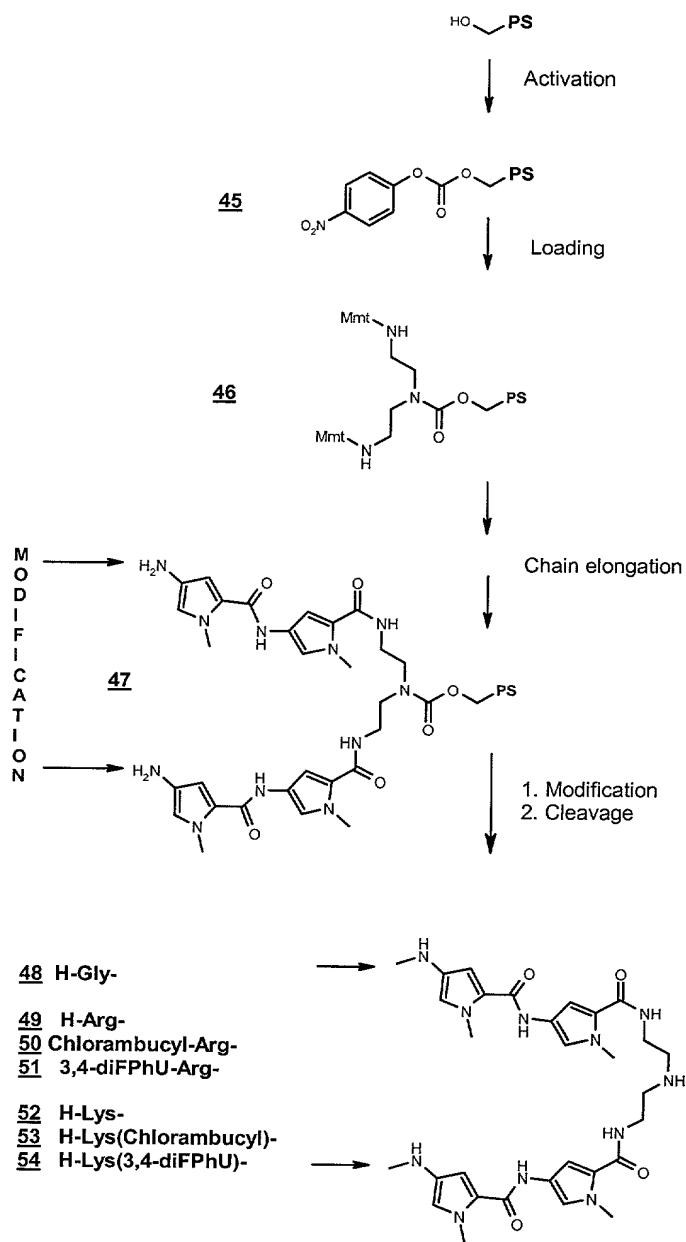


Figure 5

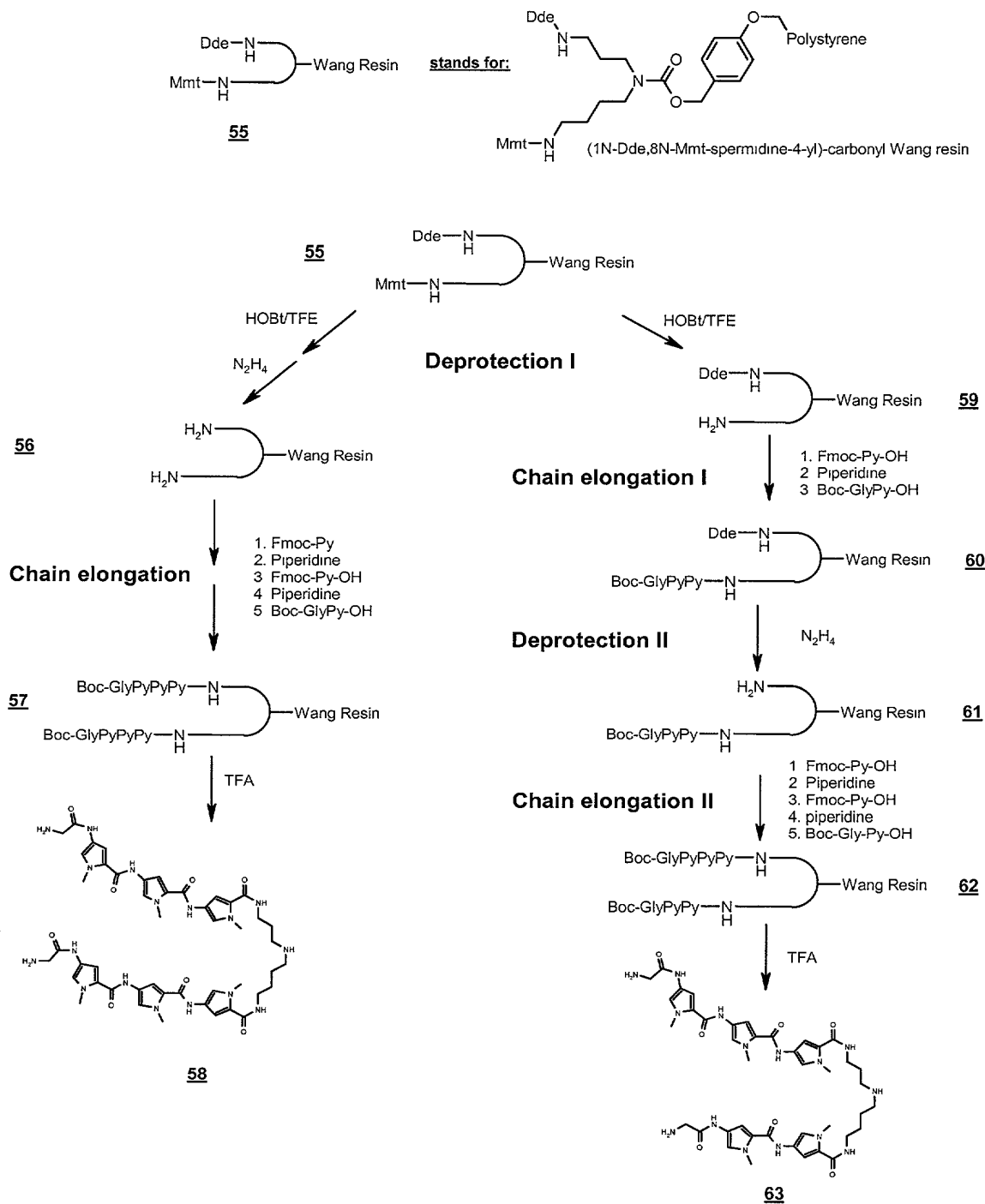


Figure 6

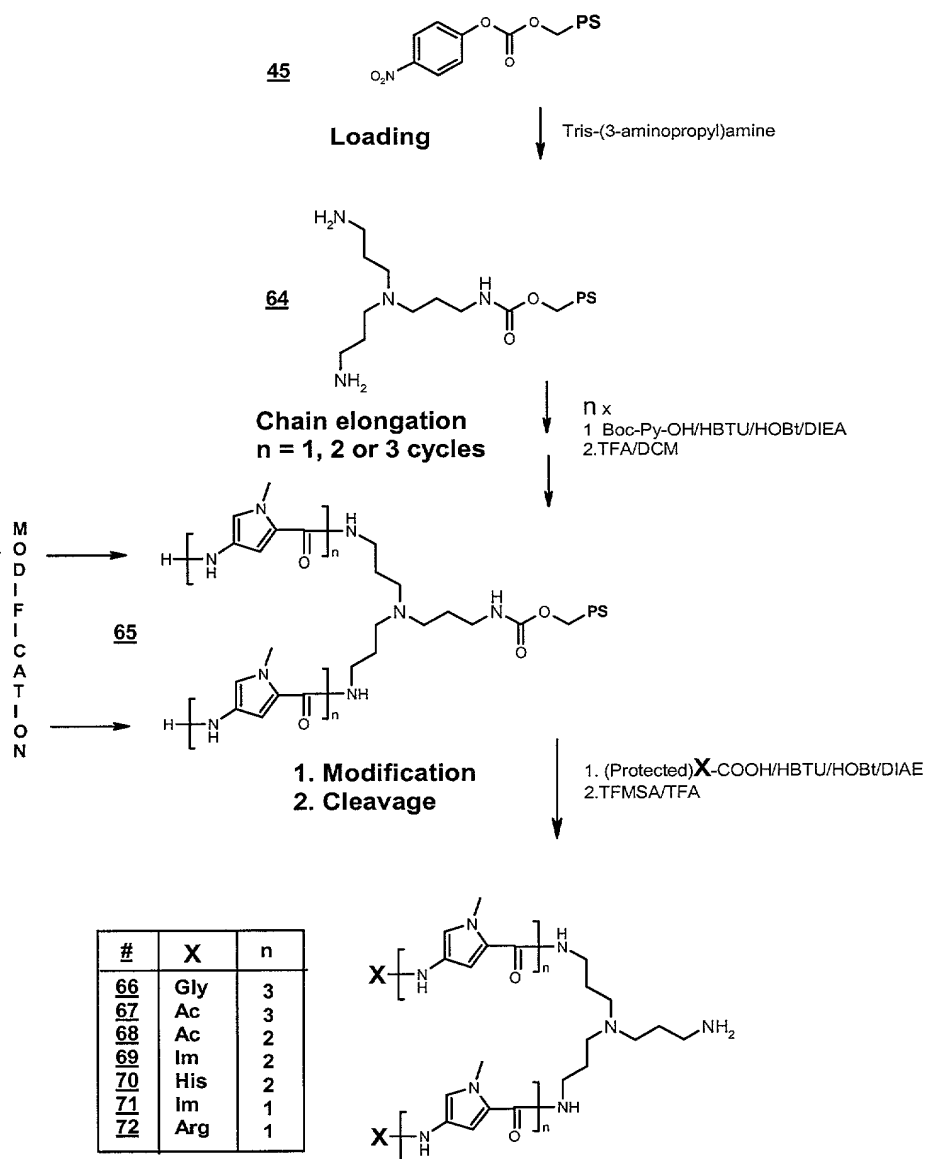


Figure 7

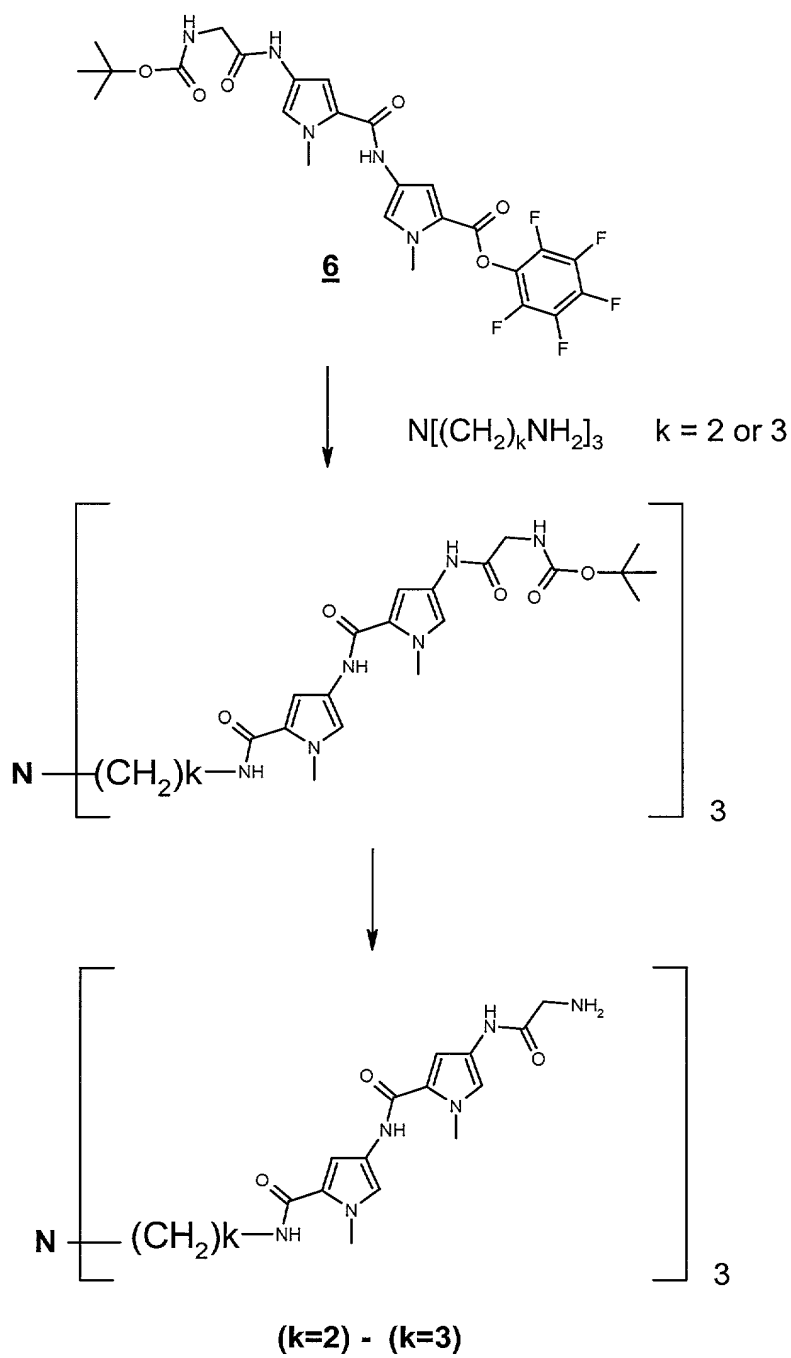


Figure 8

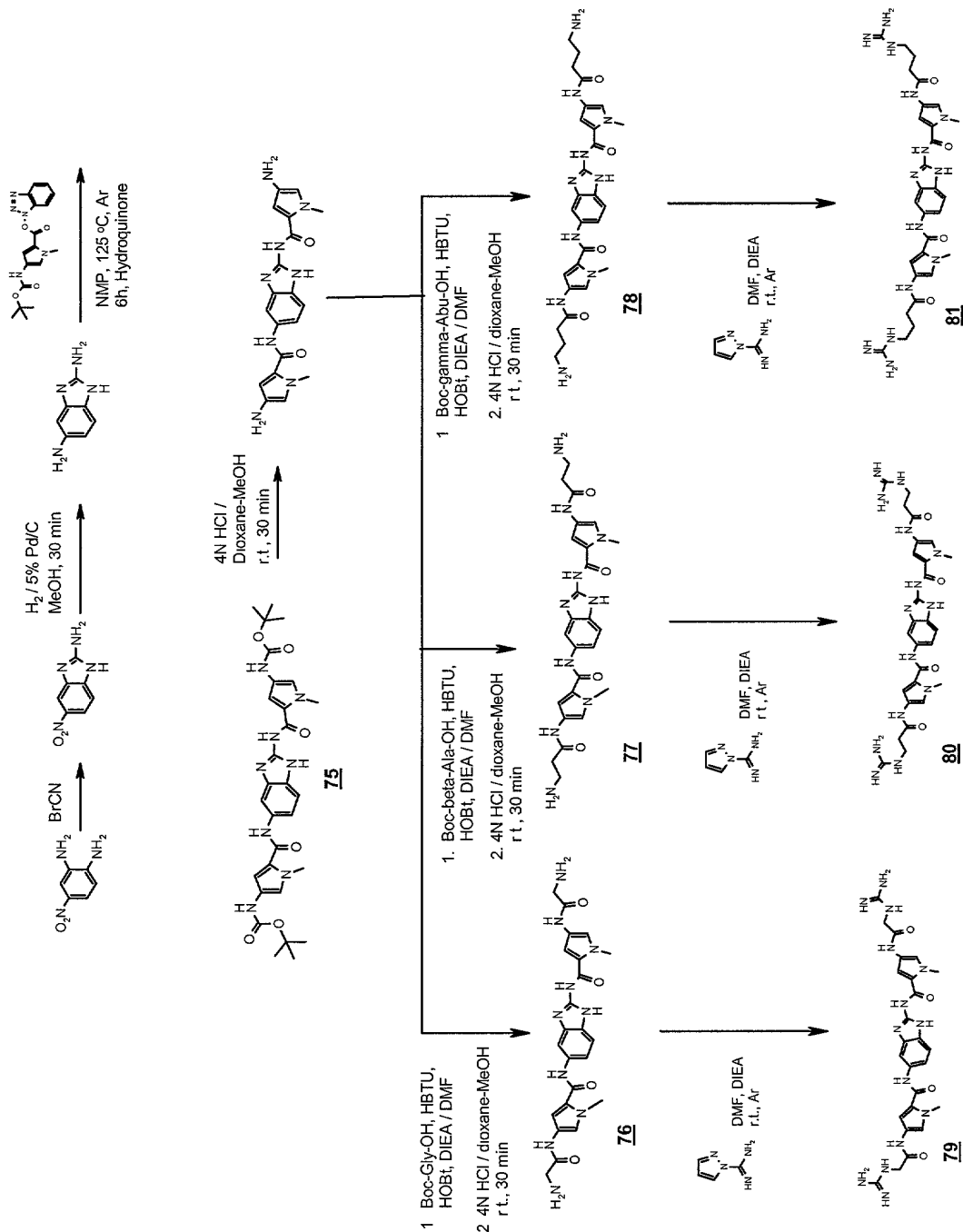
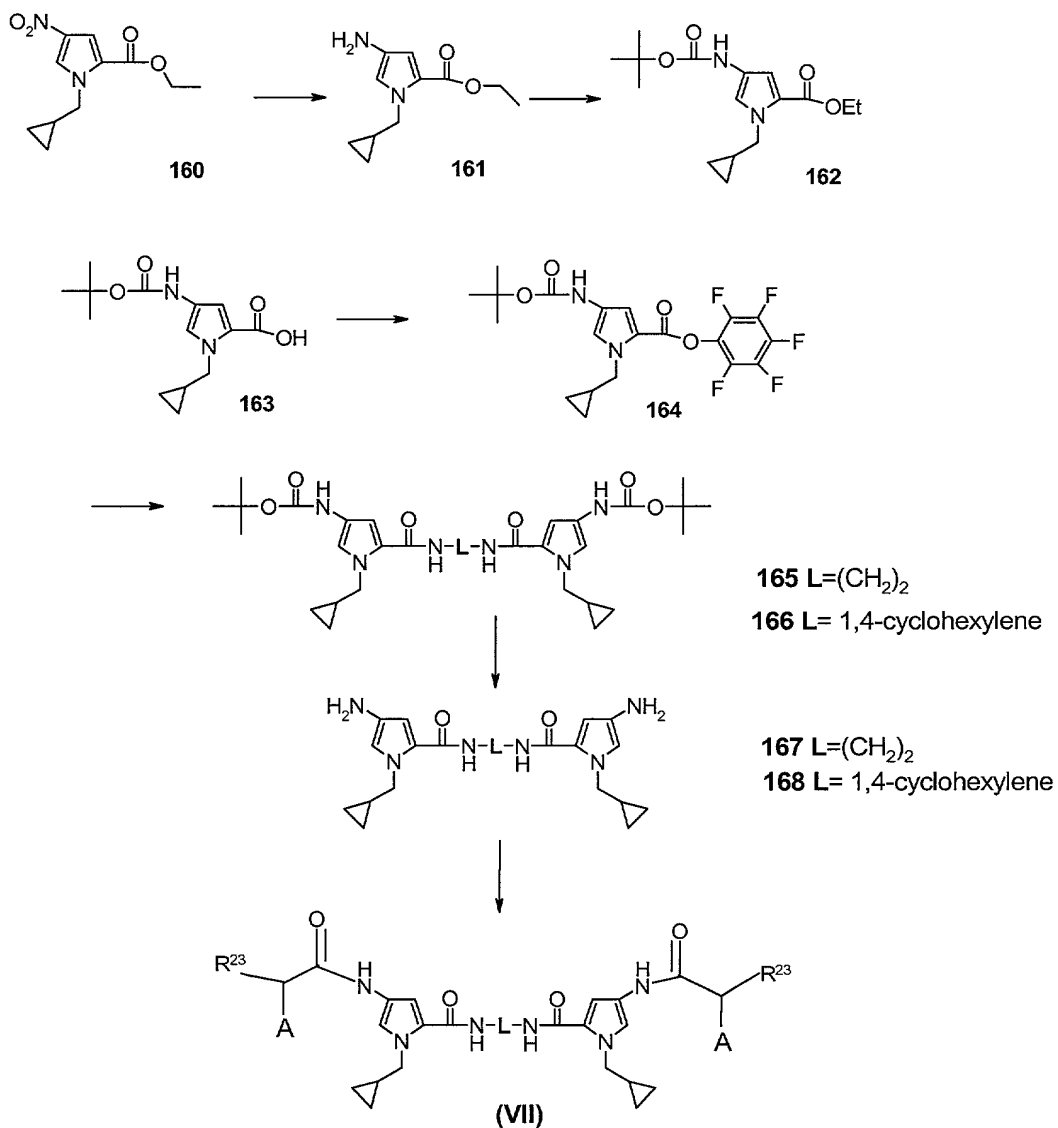




Figure 9



- |                                       |   |
|---------------------------------------|---|
| 169 L=(CH <sub>2</sub> ) <sub>2</sub> | A = amino acid side chain of <b>Gly</b> |
| 170 L=(CH <sub>2</sub> ) <sub>2</sub> | A = amino acid side chain of <b>Val</b> |
| 171 L= 1,4-cyclohexylene              | A = amino acid side chain of <b>Pro</b> |
| 172 L= 1,4-cyclohexylene              | A = amino acid side chain of <b>Pro</b> |
| 173 L= 1,4-cyclohexylene              | A = amino acid side chain of <b>His</b> |

R<sup>23</sup> = guanidino, amino, or ornithylamino

Figure 10

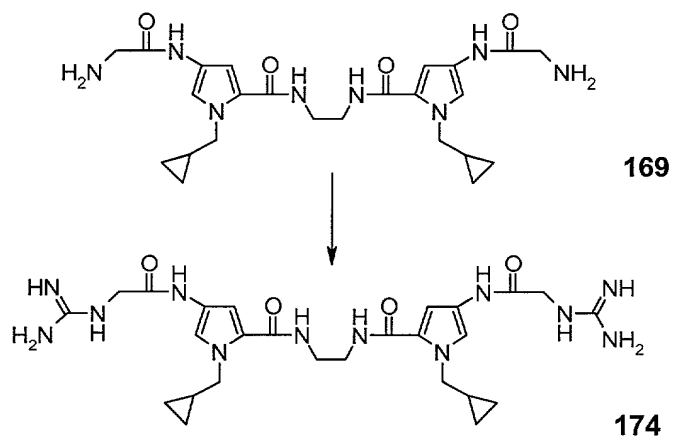


Figure 11

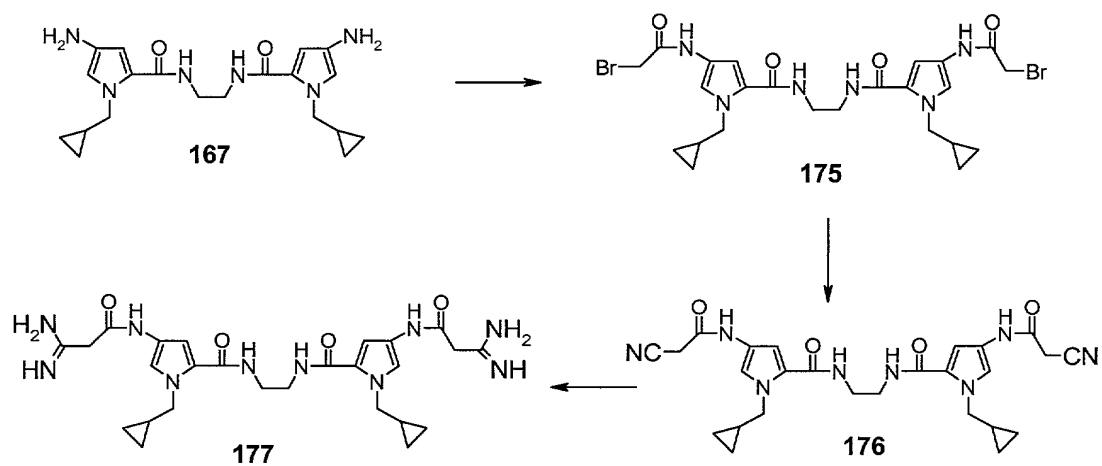
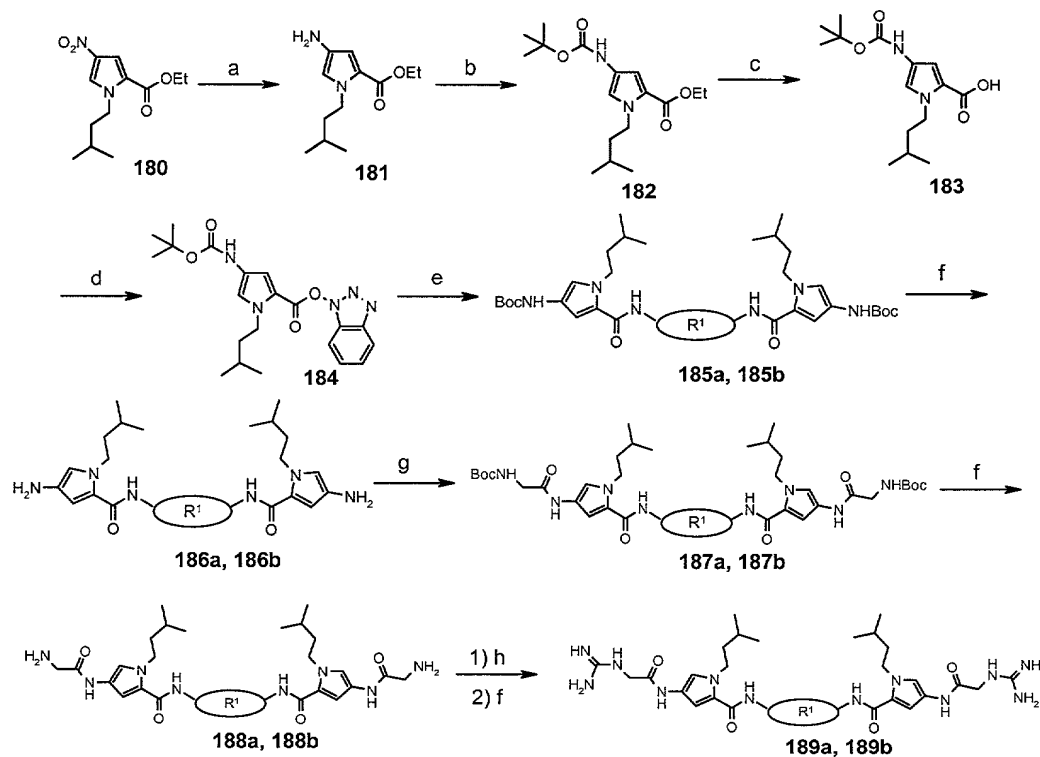
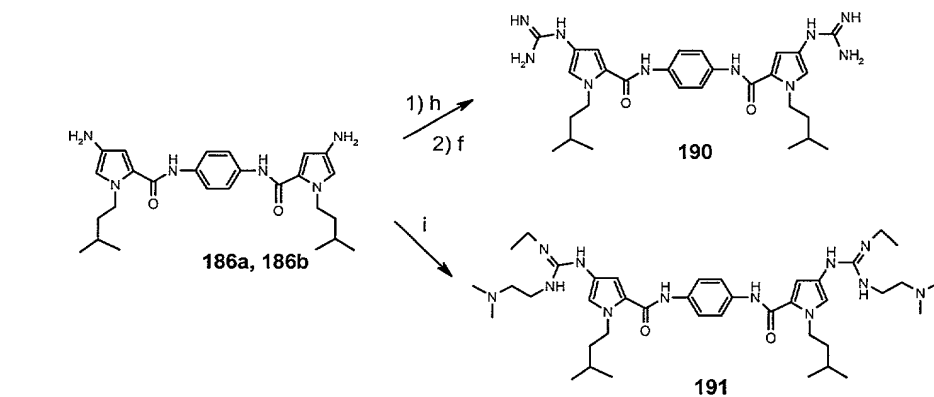


Figure 12

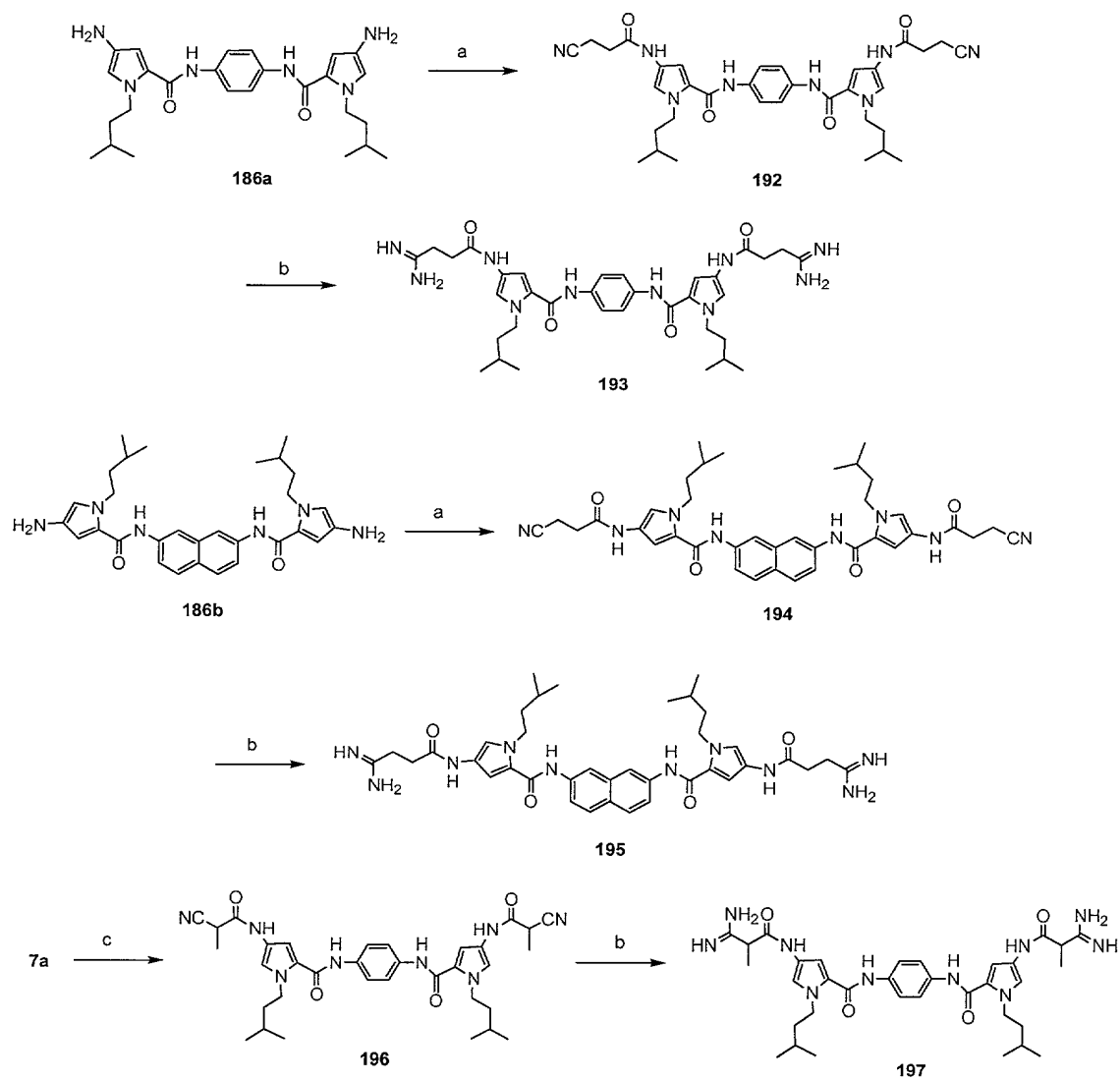


Compound numbers with **a** = 1,4-phenylene derivatives  
Compound numbers with **b** = 2,7-naphthylene derivatives



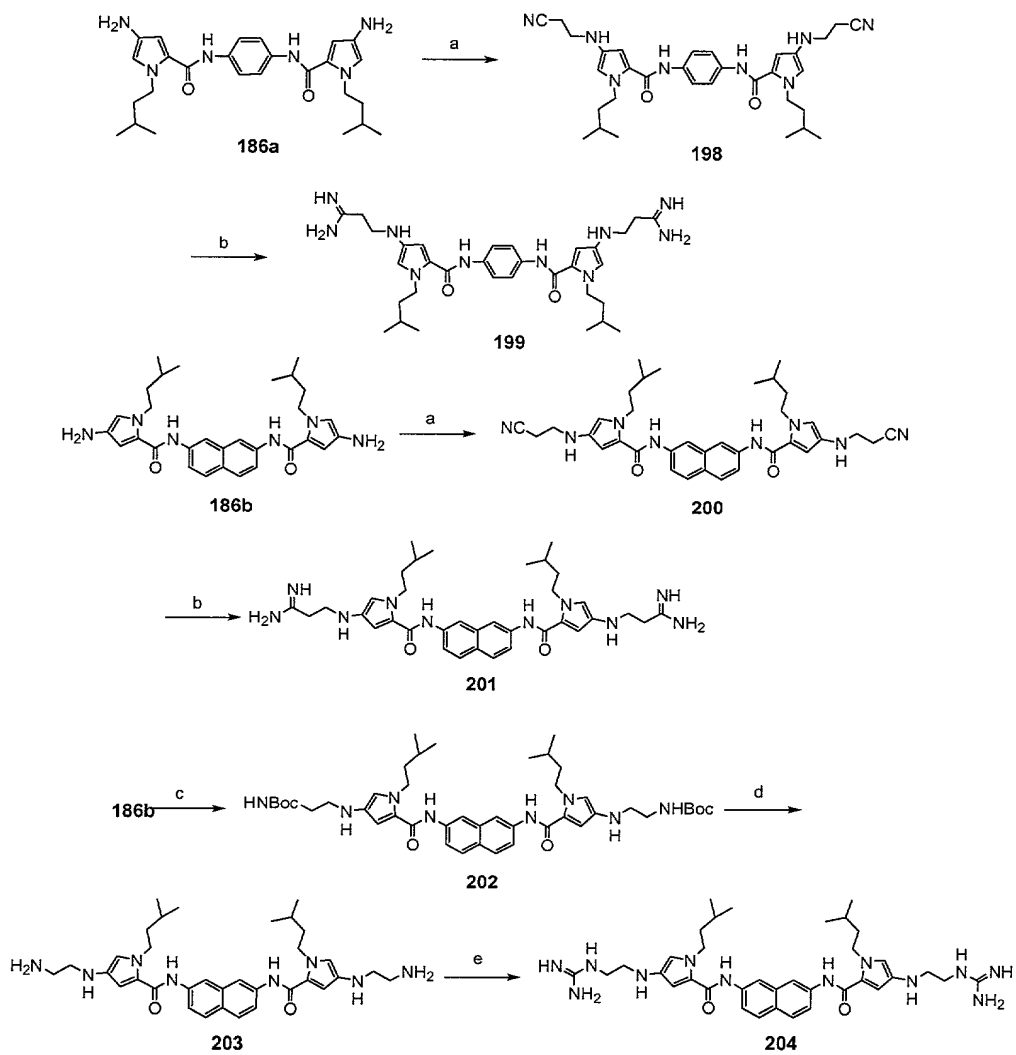
**Reaction conditions:** (a)  $H_2$ , 5% Pt/C, MeOH; (b)  $(Boc)_2O$ , DMF; (c) 2 M NaOH/MeOH; (d) HOBT, DCC, DMF; (e) Diamine, NMP; (f) 4 M HCl in 1,4-dioxane/MeOH; (g) Boc-Gly-OH, HBTU, HOBT, DIEA, DMF; (h) BocNHCSNH-Boc,  $HgCl_2$ , DMF,  $Et_3N$ ; (i) EDCl,  $Et_3N$ , *tert*-BuOH

Figure 13



**Reaction conditions:** (a) 3-Cyanopropionic acid, HBTU, HOBT, DMF; (b) i) HCl/EtOH, ii) NH<sub>3</sub>/EtOH; (c) 2-Cyanopropionic acid, HBTU, HOBT, DMF.

Figure 14



**Reaction conditions:** (a) 2-Cyanoacetaldehyde, NaCNBH<sub>3</sub>, MeOH; (b) i) HCl/EtOH, ii) NH<sub>3</sub>/EtOH, (c) 2-*t*-Butoxycarbonylaminoacetaldehyde, NaCNBH<sub>3</sub>, MeOH; (d) 4 M HCl in 1,4-dioxane, MeOH, (e) 1*H*-Pyrazole-1-carboxamide hydrochloride, DIEA, DMF

[illegible]

Figure 16

